

DK-US055008

10/521942
PATENT
DT01 Rec'd PCT/PTC 21 JAN 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Takeshi HIKAWA et al.

Serial No.: New (National Phase of
PCT/JP03/09415)

International Filing Date: July 24, 2003

For: DRIVE UNIT FOR COMPRESSOR AND
REFRIGERATOR (AS AMENDED)

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, DC 20231

Sir:

In accordance with MPEP 609 and 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicants bring the references listed on the attached PTO-1449-Form to the Examiner's attention and request that they be considered and made of record in this application. Copies of the non-U.S. patents are attached.

Since this application was filed after June 30, 2003, the U.S. Patent and Trademark Office waives the requirement under 37 C.F.R. 1.98 (a) (2) (i) for submitting a copy of each cited U.S. Patent and each U.S. patent application publication.

This Information Disclosure Statement is being filed within three (3) months of the filing date of this application. Thus, *no fee is believed to be due for this Information Disclosure Statement*. However, the Commissioner is authorized to charge any fees associated with this communication or credit any overpayment to Deposit Account No. 50-1836. A duplicate copy of this Statement is enclosed for that purpose.

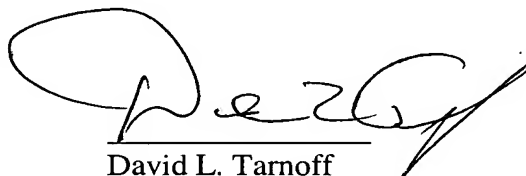
Japanese Laid-Open Patent Publication No. 7-180933 appears to disclose a refrigerator in which, the temperature of the oil of the compressor and the pressure of the

suction refrigerant of the compressor are detected. According to the detection result, the solubility of the refrigerant dissolved in the oil is calculated. Based on the solubility of the refrigerant, the operation frequency of the compressor is controlled, thereby preventing the dilution of the oil. . An English abstract of this publication is provided to better understand this reference.

* * *

Prompt examination on the merits is respectfully requested.

Respectfully submitted,



David L. Tarnoff
Reg. No. 32,383

SHINJYU GLOBAL IP COUNSELORS, LLP
1233 Twentieth Street, NW, Suite 700
Washington, DC 20036
(202)-293-0444
Dated: 01-21-04
G:\01-JAN05-MSMDK-US055008 IDS.doc

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
This collection of information is exempt from public release unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	1
-------	---	----	---

Complete if Known 10/521942

Application Number	New-PCT/JP03/09415 Nat'l Phase
Filing Date	Herewith
First Named Inventor	Takeshi HIKAWA
Group Art Unit	
Examiner Name	
Attorney Docket Number	DK-US055008

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		JP-7-180933-A	07-18-1995	Norizuki et al.		No
		JP-2001-99070-A	04-10-2001	Oyamada et al.		Yes
		JP-2001-186800-A	07-06-2001	Hagiwara et al.	Par. Nos. [0011]- [0024]; Fig. 1	Yes
		JP-2001-280258-A	10-10-2001	Shimada	Par. Nos. [0039]- [0060]; Figs. 1-7	Yes
		JP-2001-333589-A	11-30-2001	Ogawa	Par. Nos. [0002]- [0028]; Figs. 1-2	Yes
		JP-2002-136172-A	05-10-2002	Maeda et al.	Par. Nos. [0044]- [0095]; Figs. 1-15	Yes
		JP-2002-138966-A	05-17-2002	Maeda et al.	Par. Nos. [0002]- [0009]	Yes

Examiner
Signature

Date
Considered

Signature _____

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USPTO Patent Documents at www.uspto.gov or MPEP

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ For Japanese patent documents, the indication of the publication number is not required. ⁴ For Japanese patent documents, the indication of the publication number is not required.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or M.P.E.P. § 2.101. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**